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 representation of PTEN. A PTEN sequence (SEQ ID NO: 23) which matches the signature sequence motif of protein tyrosine phosphatases is also shown. Figure 20B depicts a PTEN encoding nucleic acid (SEQ ID NO: 1; shown in double-stranded form) and the amino acid sequence (SEQ ID NO: 2) of PTEN.

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 (Page 27, line 18) The PTEN protein comprises, from amino- to carboxy-terminus, a protein tyrosine phosphatase catalytic domain that has considerable homology to the cytoskeletal protein tensin, a C2 domain that confers lipid-binding and membrane-targeting, and a PDZ domain-binding site that contributes to membrane localization and protein stability (Lee et al Cell 1999, Wu et al PNAS 2000;). The amino-terminal catalytic domain includes the HC(X)₅R sequence (SEQ ID NO: 22), which is the signature motif of protein tyrosine phosphatases. The Genbank accession number for the human PTEN encoding nucleic acid molecule is NM000313. The amino acid sequence of PTEN is provided in Figure 20B. These sequences are also referred to herein as SEQ ID NO: 1 and SEQ ID NO: 2.

(Page 44, line 19)

TABLE I
PTEN peptide motifs used to screen for PTEN agonists and inhibitors

Phosphorylation site motifs:	amino acid residue number
DLDLTYIYP	(22-30) SEQ ID NO: 3
YLVLT	(27-30) SEQ ID NO: 6
YRNNIDD	(46-52) SEQ ID NO: 8
KGVTIPSQRRYVYYYSYLL	(164-182) SEQ ID NO: 15
YSYL	(178-181) SEQ ID NO: 7
YFSPN	(336-339) SEQ ID NO: 5
RYSDTTDS	(378-385) SEQ ID NO: 16
Catalytic Domain motifs	(1-185)
HCKAGKGR (P-loop)	(123-130) SEQ ID NO: 9
DHNPPQ (WPD-loop)	(92-97) SEQ ID NO: 10